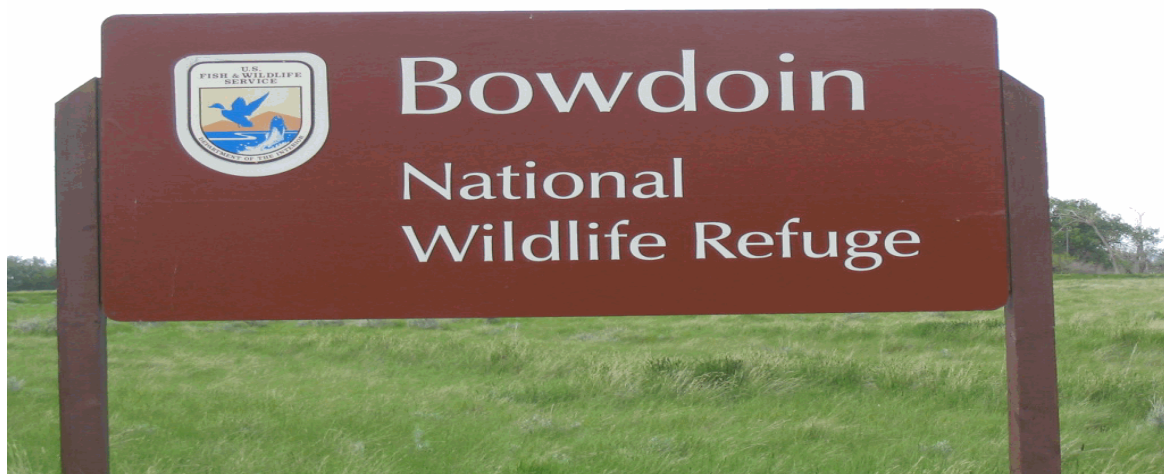


The Trail Inventory of Bowdoin NWR

Malta, MT



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
June, 2013



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NOTE TO USERS OR READERS

In this report, the reader may find a mix of dates associated with the condition assessment and photographs. Chapter 4 shows an updated condition assessment for each trail documented in this report. However there may be dates on the condition assessment pages that range from 2006 and 2007 to 2012. This occurred because the GPS dates of the trails originally rated in Cycle 1 were not updated when the cycle 3 assessment was done to in

2012. That GPS date is the basis for the Rating date in the report. Any new trail or section of trail that was collected and rated in Cycle 3 will have a rating date of 2012. While the rating dates may show a pre 2012 date, each trail was walked and its condition was assessed in 2012 during the Cycle 3 field season.

In Chapter 6 the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because the existing photographs from Cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the Cycle 3 site visit.

The reader may also notice some of the feature photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

Bowdoin NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Total
	Miles	%	Miles
Asphalt	0.40	100%	0.40
Total	0.40	100%	0.40

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Total
	Miles	%	Miles
TC4	0.40	100%	0.40
Total	0.40	100%	0.40

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

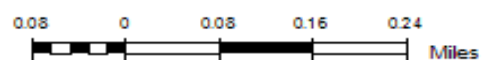
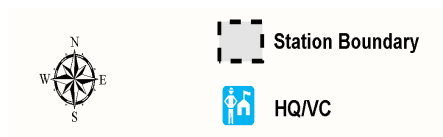
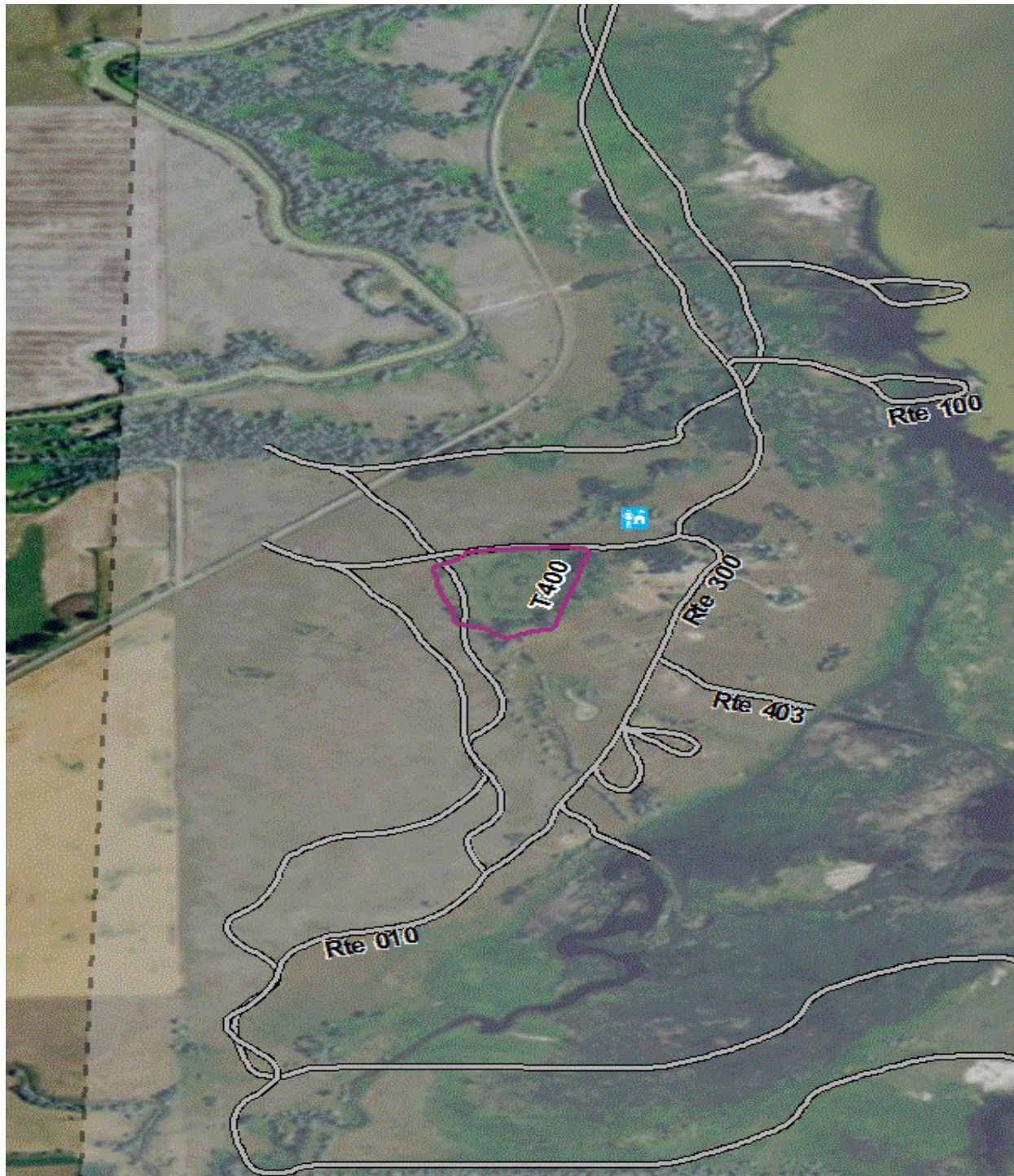
Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T400	Sign	2	No	0.00	BOWD_C3_0186
T400	Trailhead	1	No	0.00	BOWD_C3_2479
T400	Sign	1	No	0.00	BOWD_C3_0187
T400	Sign	1	No	0.00	BOWD_C3_0188
T400	Lookout/Ob Deck	1	No	0.04	
T400	Bridge -sf	80	No	0.16	BOWD_C3_2480
T400	Bench	2	No	0.17	
T400	Bench	1	No	0.25	
T400	Lookout/Ob Deck	1	No	0.37	
T400	Max Grade- %	2	No	0.37	
T400	Sign	1	No	0.37	BOWD_C3_0683

sf - square feet

lf - linear feet

cf - cubic feet

Bowdoin NWR Trail Location Map



Trails ID

Station Name: Bowdoin NWR

Org Code: 61580

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T400	Display Pond Trail	Asphalt	10039968	0.40	From Visitor Center Parking (Rte 010) to Visitor Center Parking (Rte 010)

CHANGES TO THE FISH AND WILDLIFE SERVICE TRAIL INVENTORY REPORT

Bowdoin NWR

Trails added to previous inventory:

Trail #	Trail Name	Reason for Addition
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Trails removed from previous inventory:

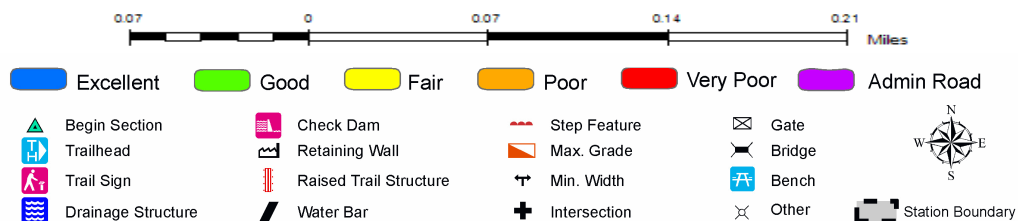
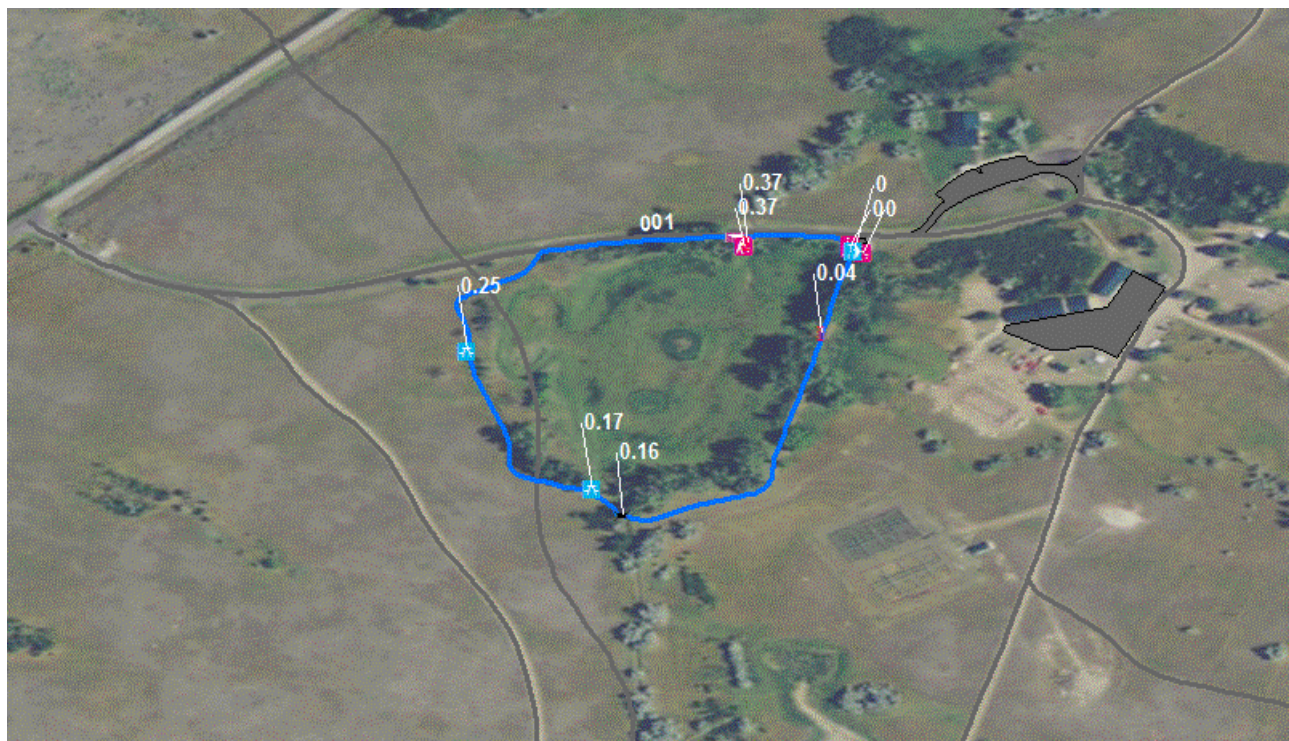
Trail #	Trail Name	Reason for Removal
---------	------------	--------------------

Trails modified from previous inventory:

Trail #	Trail Name	Type of Modification	Description of Modification
T400	Display Pond Trail	surface change	from Gravel to Asphalt

Comments:

TRAIL CONDITION



Trail Name: Display Pond Trail
Trail Number: T400

Refuge Name: Bowdoin NWR
Region: 6

Total Length: 0.40 Miles

Section Number	001
Section Length (miles)	0.40
SAMMS Number	10039968
Rating Date	07/17/2007
Trail Section Information	
Trail Class	TC4
Surface Type	Asphalt
Surface Firmness	Paved
Width (inches)	96
Average Grade (%)	2.7
Average X-slope (%)	2.50
Trail Condition Information	
Deferred Maintenance	
CRV	\$107,644
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$107,644	0.00	Excellent

NOTE TO USERS OR READERS

This section shows an updated condition assessment for each trail documented in this report. However there may be dates on the condition assessment pages that range from 2006 and 2007 to 2012. This occurred because the GPS dates of the trails originally rated in Cycle 1 were not updated when the Cycle 3 assessment was done to in 2012. That GPS date is the basis for the Rating date in the report. Any new trail or section of trail that was collected and rated in Cycle 3 will have a rating date of 2012. While the rating dates may show a pre 2012 date, each trail was walked and its condition was assessed in 2012 during the Cycle 3 field season.

TRAIL DEFICIENCY

No Deficiencies

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Bowdoin NWR
DATE: 07/19/2012



Photo # BOWD_C3_0186 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Bowdoin NWR
DATE: 07/17/2007



Photo # BOWD_C3_0188 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Bowdoin NWR
DATE: 07/17/2007



Photo # BOWD_C3_0187 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Bowdoin NWR
DATE: 07/17/2007



Photo # BOWD_C3_2479 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Bowdoin NWR
DATE: 07/17/2007

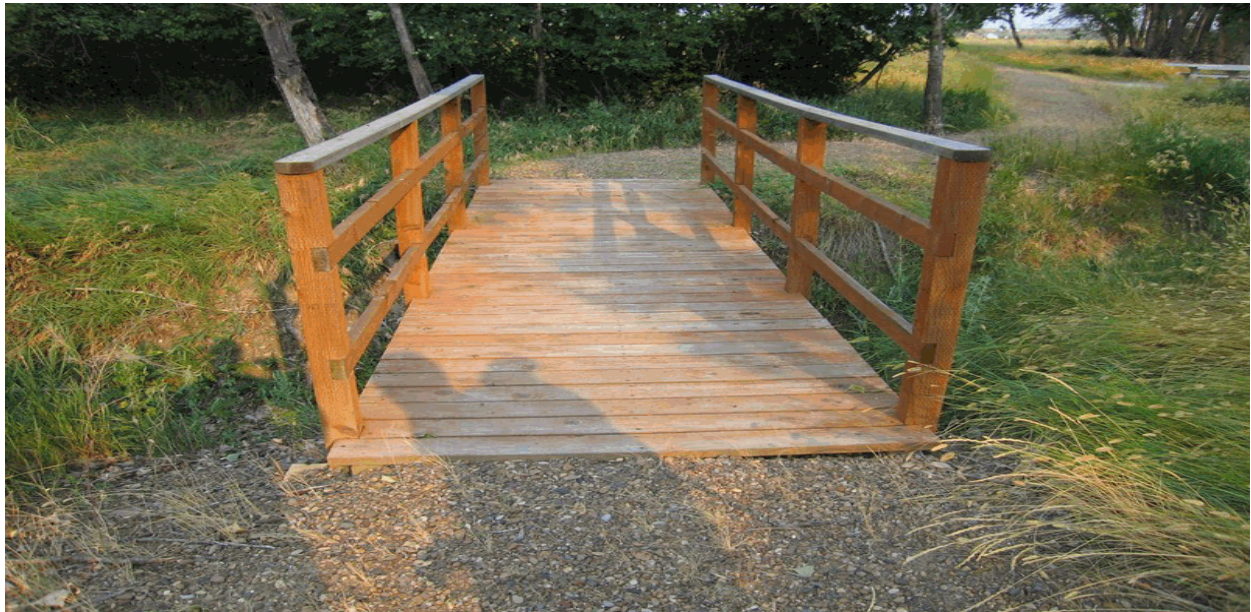


Photo # BOWD_C3_2480 - MP 0.16 - Bridge -sf

TRAIL NUMBER: T400
STATION: Bowdoin NWR
DATE: 07/19/2012



Photo # BOWD_C3_0683 - MP 0.37 - Sign

PHOTOGRAPHIC SHEET

A NOTE TO USERS OR READERS

In this chapter the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because existing photographs from cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the cycle 3 site visit.

The reader may also notice some photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

Glossary of Terms and Abbreviations

Acc Info	Accessibility information available at trailhead.
Action	Action required to correct deficiency.
Admin Road	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
Alt SAMMS	SAMMS number of Alternate Facility Type.
Alt Type	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
AvgGrade	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
AvgSlope	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
Check Dam	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
Condition	Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed
Crib Wall	Retaining wall.
Current Replacement Value (CRV)	The value of an asset determined by the estimated cost of replacing it.
Def type	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.
Deferred Maintenance (DM)	Maintenance that was not performed when scheduled.

Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the “Action” (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.